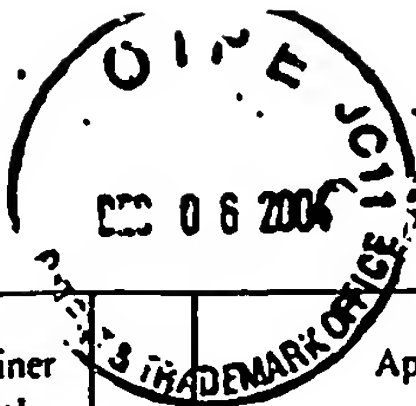


Form PTO-146 (Substitute) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <i>Information Disclosure Statement</i> BY APPLICANT (Use several sheets if necessary)				Attorney Docket Number PANAP-01077US0		Serial Patent Number 10/623,459	
				Applicant/Patent Owner Brian Tanner			
				Filing/Issue Date July 18, 2003		Group Art Unit 2651	
U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
<i>JSN</i>		4,697,127	09/29/87	Stich et al.	318	561	06/09/86
<i>JSN</i>		5,760,992	06/02/98	Phan et al.	360	78.07	05/31/96
<i>JSN</i>		5,917,672	06/29/99	Phan et al.	360	78.09	07/22/97
<i>JSN</i>		6,154,340	11/28/00	Cameron	360	105	07/03/97
<i>JSN</i>		6,243,226 B1	06/05/01	Jeong	360	78.07	11/17/94
<i>JSN</i>		6,344,942 B1	02/05/02	Yarmchuk	360	75	07/16/98
<i>JSN</i>		6,512,650 B1	01/28/03	Tanner	360	75	07/12/99
<i>JSN</i>		6,560,057 B1	05/06/03	Klaassen et al.	360	75	04/30/99
<i>JSN</i>		6,600,618 B2	07/29/03	Schlager	360	75	09/21/98
<i>JSN</i>		6,611,118 B2	08/26/03	Abe et al.	318	254	09/18/01
<i>JSN</i>		6,614,617 B1	09/02/03	Galloway	360	78.06	12/11/98
<i>JSN</i>		6,643,088 B1	11/04/03	Kawachi	360	75	03/10/00
<i>JSN</i>		6,661,598 B2	12/09/03	Kusumoto et al.	360	75	08/15/02
<i>JSN</i>		6,690,536 B1	02/10/04	Ryan	360	78.04	10/31/00
<i>JSN</i>		6,717,763 B2	04/06/04	Ottesen et al.	360	75	05/16/01
<i>JSN</i>		6,781,787 B1	08/24/04	Codilian et al.	360	78.06	01/31/02
<i>JSN</i>		6,795,268 B1	09/21/04	Ryan	360	78.04	10/31/00
U.S. PATENT PUBLICATIONS							
Examiner Initial		Patent Application Publication Number	Publication Date	Applicant			
PENDING U.S. PATENT APPLICATIONS							



Examiner Initial	Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No		
FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document Number	Publication Date	Country	Class	Subclass	Translation Yes No
OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)						
<i>JSK</i>		"Delta Voltage Control During Actuator Retract", IBM Technical Disclosure Bulletin, Vol. 35, No. 1B, June 1992, pp: 337-339.				
<i>JSK</i>		R.E. Eaton et al., "Improved Back Electromagnetic Force Voice Coil Motor Controller", IBM Technical Disclosure Bulletin, Vol. 38, No. 11. Nov. 1995, pp: 315-316.				
Examiner <i>Aabermeh</i>		Date Considered <i>18 Feb 05</i>				
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						
*1 = Copy not submitted because it was submitted in prior application SN <u> </u> / <u> </u> , filed <u> </u> , 20 <u> </u> , relied on under 35 USC §120.						
*2 = Copy not submitted because it was submitted in prior application SN <u> </u> / <u> </u> , filed <u> </u> , 20 <u> </u> , relied on under 35 USC §120.						

FORM PTO-1449 (Substitute)		US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number PANA-01077US0	Serial No. 10/623,459
INFORMATION DISCLOSURE CITATION BY APPLICANT (Use several sheets if necessary)				Applicant Brian Tanner	
				Filing Date July 18, 2003	Group Art Unit 2651 Unknown

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 PATENT & TRADEMARK OFFICE

U.S. PATENTS						
Examiner Initial	Patent Number	Issue Date	Name	Class	Subclass	Filing Date

U.S. PATENT PUBLICATIONS			
Examiner Initial	Patent Application Publication Number	Publication Date	Applicant

PENDING U.S. PATENT APPLICATIONS					
Examiner Initial	Application Number	Filing Date	Inventor	Petition to Expunge	
				Yes	No

FOREIGN PATENT DOCUMENTS					
Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
JSTX 1.	"Delta Voltage Control During Actuator Retract," IBM Technical Disclosure Bulletin, Vol. 35, No. 1B, June 1992, pp. 337-339	
JSTX 2.	R.E. Eaton et al., "Improved Back Electromagnetic Force Voice Coil Motor Controller," IBM Technical Disclosure Bulletin, Vol. 38, No. 11, Nov. 1995, pp. 315-316	

EXAMINER Habermehl	DATE CONSIDERED 18 Feb 05
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EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*1 = Copy not submitted because it was submitted in prior application SN _____, filed _____, 20____, relied on under 35 USC §120.
 *2 = Copy not submitted because it was submitted in prior application SN _____, filed _____, 20____, relied on under 35 USC §120.

Form PTO-1449 (Substitute)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number PANA-01077US0	Serial/Patent Number Unknown 10/623459		
Information Disclosure Statement BY APPLICANT <i>(Use several sheets if necessary)</i>				Applicant/Patent Owner Brian Tanner			
				Filing/Issue Date Herewith		Group Art Unit 2651	
U.S. PATENTS							
Examiner Initial	Serial Number	Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
<i>JSN</i>	1.	4,168,457	Sep.18,1979	Rose	1	1	
<i>JSN</i>	2.	4,524,398	Jun.18,1985	Fujiki	1	1	
<i>JSN</i>	3.	4,691,152	Sep.1, 1987	Ell et al.	1	1	
<i>JSN</i>	4.	4,755,892	Jul 5, 1988	Carteau et al.	1	1	
<i>JSN</i>	5.	4,864,437	Sep.5, 1989	Couse et al.	1	1	
<i>JSN</i>	6.	4,876,491	Oct.24, 1989	Squires et al.	1	1	
<i>JSN</i>	7.	4,920,462	Apr.24,1990	Couse et al.	1	1	
<i>JSN</i>	8.	4,933,785	Jun.12,1990	Morehouse et al.	1	1	
<i>JSN</i>	9.	4,967,291	Oct. 30,1990	Touchton et al.	1	1	
<i>JSN</i>	10.	5,034,837,	Jul.23,1991	Schmitz	1	1	
<i>JSN</i>	11.	5,119,250	Jun.2,1992	Green et al.	1	1	
<i>JSN</i>	12.	5,223,993 A	Jun.29,1993	Squires et al.	1	1	
<i>JSN</i>	13.	5,231,549 A	Jul.27,1993	Morehouse et al.	1	1	
<i>JSN</i>	14.	5,296,790	Mar.22,1994	Fincher	1	1	

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Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
<i>JRH</i>	15.	5,363,359	Nov.8,1994	Lee	1	1	
<i>JRH</i>	16.	5,379,171 A	Jan.3,1995	Morehouse et al.	1	1	
<i>JRH</i>	17.	5,404,636 A	Apr.11,1995	Stefansky et al.	1	1	
<i>JRH</i>	18.	5,426,545 A	Jun.20,1995	Sidman et al.	1	1	
<i>JRH</i>	19.	5,485,323	Jan.16,1996	Anderson et al.	1	1	
<i>JRH</i>	20.	5,510,939	Apr.23,1996	Lewis	7	1	
<i>JRH</i>	21.	5,532,889 A	Jul.2,1996	Stefansky et al.	7	1	
<i>JRH</i>	22.	5,592,349 A	Jan.7,1997	Morehouse et al.	7	1	
<i>JRH</i>	23.	5,615,064	Mar.25,1997	Blank et al.	1	1	
<i>JRH</i>	24.	5,768,045 A	Jun.16,1998	Patton, III et al.	1	1	
<i>JRH</i>	25.	5,781,363	Jul.14,1998	Rowan et al.	1	1	
<i>JRH</i>	26.	5,844,743 A	Dec.1,1998	Funches	360	78.04	
<i>JRH</i>	27.	5,863,393 A	Jan.26,1999	Hu	1	1	
<i>JRH</i>	28.	5,936,788 A	Aug.10,1999	Boutaghou et al.	1	1	
<i>JRH</i>	29.	5,949,608	Sep.7,1999	Hunter	1	1	
<i>JRH</i>	30.	6,064,539	May 16,2000	Null et al.	1	1	

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Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
<i>JH</i>	31.	6,097,564 A	Aug.1,2000	Hunter	360	78.04	
<i>JH</i>	32.	6,115,199A	Sep.5,2000	Bang	—	—	
<i>JH</i>	33.	6,204,629 B1	Mar.20,2001	Rote et al.	360	75	
<i>JH</i>	34.	6,222,696 B1	Apr.24,2001	Kim	—	—	
<i>JH</i>	35.	6,363,214 B1	Mar.26,2002	Merello et al.	—	—	
<i>JH</i>	36.	6,487,033 B1	Nov.26,2002	Heydt et al.	360	60	
<i>JH</i>	37.	6,496,319 B1	Dec.17,2002	Kusumoto et al.	—	—	
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Examiner Initial		Patent Application Publication Number	Publication Date	Applicant			
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Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No		
<i>JH</i>	38.	10/368,743	Feb. 19,2003			No	
<i>JH</i>	39.	10/369,314	Feb.19,2003			No	

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Examiner Initial		Document Number	Publication Date	Country	Class	Subclass	Translation Yes No	
<i>[Signature]</i>	40.	1 115 064	July 11, 2001	EP	—	—	X	
OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)								
<i>[Signature]</i>	41.	Morcos, Anthony C., "Voice Coil Actuators for Use in Motion Control Systems," Motion Magazine, 5 pp. Fall 1998						
<i>[Signature]</i>	42.	"Advanced Servo-Mechanical Design Facilitates Improved Performance and Reliability," 4 pp., 11/99, http://www.ibm.com/harddrive						
<i>[Signature]</i>	43.	"How a Hard Disk Drive Works, Heads," Hard Disk Drive Guide, 2 pp., 11/6/2002, http://www.duxcw.com/digest/guides/hd/hd5.htm						
<i>[Signature]</i>	44.	Arkin, Michael, "Understanding Head Positioning Systems in Disk Drives - A Primer for the Dynamics of Servo Control," DataTech, Edition 3, Section 4, Pages 61-65, ICG Publishing						
Examiner <i>Habermehl</i>				Date Considered <i>18 Feb 05</i>				
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